Test Type: 14-DAY **Route:** DOSED FEED

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 10/16/2014 Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Lab: MBA

C Number: C92013

Lock Date: 01/12/1995

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date NONE

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 4-Methylimidazole **CAS Number:** 822-36-6

Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

Route: DOSED FEED

Time Report Requested: 17:14:07

Date Report Requested: 10/16/2014

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Male VEHICLE CONTROL	DAY ON TEST	0 0 1 5	0 0 1 5	0 0 1 5	0 0 1 5	0 0 1 5			
TEINGLE GOITHE	ANIMAL ID	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	*TC	ΑТС	LS
Alimentary System									
Liver		+	+	+	+	+	5		
Necrosis, Focal		1						1	1.0
Periportal, Vacuolization C	ytoplasmic	2	2		2			3	2.0
Vacuolization Cytoplasmic, Diffuse				2		2		2	2.0
Stomach, Forestomach		+	+	+	+	+	5		
Stomach, Glandular		+	+	+	+	+	5		
Cardiovascular System									
Heart		+	+	+	+	+	5		
Endocrine System									
Adrenal Cortex		+	+	+	+	+	5		
Adrenal Medulla		+	+	+	+	+	5		
Pituitary Gland		+	+	+	+	+	5		
Thyroid Gland		+	+	+	+	+	5		
General Body System									
NONE									
Genital System									
Testes		+	+	+	+	+	5		
Hematopoietic System									

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically I .. Insufficient tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..}Tissue examined microscopically

X ..Lesion present

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 4-Methylimidazole CAS Number: 822-36-6

Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

Route: DOSED FEED

Date Report Requested: 10/16/2014 Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Male VEHICLE CONTROL	DAY ON TEST ANIMAL ID	0 0 1 5 0 0 0 0	0 0 1 5 0 0 0 0 2	0 0 1 5 0 0 0 0 3	0 0 1 5 0 0 0 0 4	0 0 1 5 0 0 0 0 5	*TO	·ΤΑ	LS
Spleen		+	+	+	+	+	5		
Hematopoietic Cell Prolifer	ation			1			_	1	1.0
Thymus Integumentary System		+	+	+	+	+	5		
NONE Musculoskeletal System									
NONE Nervous System									
Brain Respiratory System		+	+	+	+	+	5		
Lung Special Senses System		+	+	+	+	+	5		
NONE Urinary System									
Kidney		+	+	+	+	+	5		

M ..Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..}Tissue examined microscopically

Test Type: 14-DAY Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

Test Compound: 4-Methylimidazole **CAS Number:** 822-36-6

Date Report Requested: 10/16/2014 Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

B6C3F1 Mouse Male PPM 300

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X .. Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

4) Marked 2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 10/16/2014 Time Report Requested: 17:14:07

First Dose M/F: NA / NA Lab: MBA

Route: DOSED FEED

Test Type: 14-DAY

Species/Strain: Mouse/B6C3F1

DAY ON TEST

B6C3F1 Mouse Male 300 PPM

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue BLANK .. Not examined microscopically 1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

Test Type: 14-DAY Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

Test Compound: 4-Methylimidazole **CAS Number:** 822-36-6

Date Report Requested: 10/16/2014 Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

B6C3F1 Mouse Male 800 **PPM**

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X .. Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

4) Marked 2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 10/16/2014 Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Lab: MBA

Test Type: 14-DAY Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

DAY ON TEST

B6C3F1 Mouse Male 800 PPM

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 4-Methylimidazole **CAS Number:** 822-36-6

Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

Route: DOSED FEED

Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Date Report Requested: 10/16/2014

Lab: MBA

B6C3F1 Mouse Male 2500 PPM	DAY ON TEST ANIMAL ID	0 0 1 5 0 0 0 1 6	0 0 1 5 0 0 0 1 7	0 0 1 5 0 0 0 1 8	0 0 1 5 0 0 0 1 9	0 0 1 5 0 0 0 2 0	*TC)TA	<u>LS</u>
-							_		
Liver		+ 1	+ 1	+	+	+	5	2	1.0
Necrosis, Focal Periportal, Vacuolization Cy	toplasmis	2	2	2	2	2		5	2.0
Stomach, Forestomach	уюріазіпіс	+	+	+	+	+	5	J	2.0
Stomach, Glandular		+	+	+	+	+	5		
Cardiovascular System							Ū		
Heart Endocrine System		+	+	+	+	+	5		
Adrenal Cortex		+	+	+	+	+	5		
Adrenal Medulla		+	+	+	+	+	5		
Pituitary Gland		+	+	I	+	+	4		
Thyroid Gland		+	+	+	+	I	4		
General Body System									
NONE Genital System									
Testes Hematopoietic System		+	+	+	+	+	5		
Spleen		+	+	+	+	+	5		

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Test Type: 14-DAY Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

Test Compound: 4-Methylimidazole **CAS Number:** 822-36-6

Date Report Requested: 10/16/2014 Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Male 2500 PPM	DAY ON TEST	0 0 1 5 0 0 0 0 1 6	0 0 1 5 0 0 0 0 1 7	0 0 1 5 0 0 0 0 1 8	0 0 1 5 0 0 0 0 1 9	0 0 1 5 0 0 0 2 0	*TOTALS
Hematopoietic Cell Prolifer	ation				1		1 1.0
Thymus		+	+	+	+	+	5
Integumentary System							
NONE							
Musculoskeletal System							
NONE							
Nervous System							
Brain		+	+	+	+	+	5
Respiratory System							
Lung		+	+	+	+	+	5
Special Senses System							
NONE							
Urinary System							
Kidney		+	+	+	+	+	5 ***END OF MALE DATA***

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 10/16/2014 Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Lab: MBA

Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

DAY ON TEST B6C3F1 Mouse Female VEHICLE CONTROL ANIMAL ID	0 1 5	0 0 1 5 0 0 0 2 2	0 0 1 5 0 0 0 2 3	0 0 1 5 0 0 0 2 4	0 0 1 5 0 0 0 2 5	*TC	та	LS
Alimentary System								
Liver Inflammation, Chronic Active, Focal Vacuolization Cytoplasmic, Diffuse	+ 1	+	+ 1	+ 2 1	+ 1 1	5	4	1.3 1.0
Stomach, Forestomach Stomach, Glandular	+	+	+	+	+	5 5	Ü	1.0
Cardiovascular System						Ū		
Heart Endocrine System	+	+	+	+	+	5		
Adrenal Cortex Adrenal Medulla Pituitary Gland Thyroid Gland General Body System	+ + +	+ + +	+ + +	+ + +	+ + +	5 5 5 5		
NONE Genital System								
Ovary Hematopoietic System	+	+	+	+	+	5		
Spleen	+	+	+	+	+	5		

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

A ...Autorysis precidues evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..}Tissue examined microscopically

Test Compound: 4-Methylimidazole **CAS Number:** 822-36-6

Time Report Requested: 17:14:07

Date Report Requested: 10/16/2014

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Female VEHICLE CONTROL	AY ON TEST ANIMAL ID	0 0 1 5 0 0 0 0 2 1	0 0 1 5 0 0 0 2 2	0 0 1 5 0 0 0 2 3	0 0 1 5 0 0 0 0 2 4	0 0 1 5 0 0 0 2 5	*T(OTA	<u>LS</u>
Hematopoietic Cell Proliferatio Thymus	n	1 +	1 +	+	1 +	2 +	5	4	1.3
Integumentary System									
NONE Musculoskeletal System									
NONE Nervous System									
Brain Respiratory System		+	+	+	+	+	5		
Lung Artery, Inflammation, Chronic A Special Senses System	Active	+ 1	+	+	+	+	5	1	1.0

M .. Missing tissue

5

NONE **Urinary System**

Kidney

A .. Autolysis precludes evaluation

I .. Insufficient tissue

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

X ..Lesion present

Test Type: 14-DAY Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

Test Compound: 4-Methylimidazole **CAS Number:** 822-36-6

Date Report Requested: 10/16/2014 Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

B6C3F1 Mouse Female 300 **PPM**

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X .. Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

4) Marked 2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: 14-DAY Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 4-Methylimidazole **CAS Number:** 822-36-6

First Dose M/F: NA / NA

Date Report Requested: 10/16/2014

Time Report Requested: 17:14:07

Lab: MBA

DAY ON TEST

B6C3F1 Mouse Female 300 PPM

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

X ..Lesion present

Test Type: 14-DAY
Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 10/16/2014 Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

B6C3F1 Mouse Female 800 PPM

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: 14-DAY Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 4-Methylimidazole **CAS Number:** 822-36-6

Time Report Requested: 17:14:07 First Dose M/F: NA / NA

Date Report Requested: 10/16/2014

Lab: MBA

DAY ON TEST

B6C3F1 Mouse Female 800 PPM

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 10/16/2014
Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Lab: MBA

Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

B6C3F1 Mouse Female 2500 PPM	AY ON TEST	0 0 1 5 0 0 0 3 6	0 0 1 5 0 0 0 3 7	0 0 1 5 0 0 0 3 8	0 0 1 5 0 0 0 3 9	0 0 1 5 0 0 0 4 0	*TC)TA	LS_
Alimentary System									
Liver		+	+	+	+	+	5		
Inflammation, Chronic Active, F	ocal	1	1	1	1	1		5	1.0
Periportal, Vacuolization Cytop	lasmic	1		1				2	1.0
Vacuolization Cytoplasmic, Diffuse			1					1	1.0
Stomach, Forestomach		+	+	+	+	+	5		
Stomach, Glandular		+	+	+	+	+	5		
Cardiovascular System									
Heart		+	+	+	+	+	5		
Endocrine System									
Adrenal Cortex		+	+	+	+	+	5		
Adrenal Medulla		М	+	М	+	+	3		
Pituitary Gland		+	+	+	+	+	5		
Thyroid Gland		+	+	+	+	+	5		
General Body System									
NONE									
Genital System									
Ovary		+	+	+	+	+	5		
Uterus		+					1		
Congestion		2						1	2.0

M .. Missing tissue

A .. Autolysis precludes evaluation

I ..Insufficient tissue BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..}Tissue examined microscopically

X ..Lesion present

Test Compound: 4-Methylimidazole CAS Number: 822-36-6

Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

Route: DOSED FEED

DAY ON TEST 0 0 0 0 0 **B6C3F1 Mouse Female** *1* 5 *1* 5 *1* 5 5 5 PPM 2500 0 0 0 0 0 0 0 3 7 ANIMAL ID Ō 0 0 0 0 0 0 3 3 3 4 *TOTALS **Hematopoietic System** Spleen Hematopoietic Cell Proliferation 4 1.3 Thymus **Integumentary System** NONE **Musculoskeletal System** NONE **Nervous System** Brain **Respiratory System** Lung **Special Senses System** NONE

M .. Missing tissue

X ..Lesion present

Urinary System

Kidney

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/16/2014

Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Lab: MBA

** END OF REPORT **

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically